WG#15: Securing Mobile Code
Report Summary

- **Problem Description / Technical Scope**
  - Mobile Code Security / Distributed Computing
- **Relevant Disciplines / Technologies**
  - Security, Programming Languages, High Assurance Systems, Formal Methods, Computing Environments, Executable Content (e.g., Java)
- **Major Technical Challenges**
  - Protecting Hosts, Mobile Program, static resources, the Infrastructure. Defining interoperable security policies and specifications.

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Projected Outcome

- **Coordinated use of Trusted, authenticated mobile applications**
    - **information gathering/filtering, shopping, mobile cash**
    - **success likely with interoperable security policies**
- **Safe use of Untrusted, anonymous Agents**
    - **information gathering/filtering, sporadic connectivity**
    - **success likely with controlled execution environments**

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Other Issues Addressed

- **Host vs agent perspectives**
- **Assurance**
- **Fault tolerance**
- **Auditing**
- **Lightweight security mechanisms**
- **Formal methods/languages**
- **Formal model of mobile computing**